

## DOE Reprocessing Waste and DOE Spent Nuclear Fuel Inventories

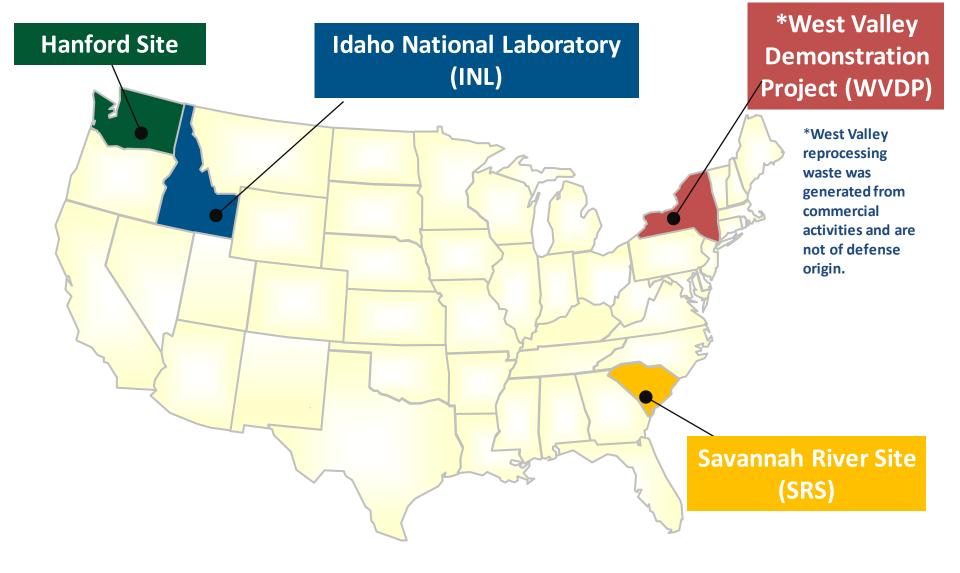
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Associate Principal Deputy Assistant Secretary for Regulatory & Policy Affairs

Energy Communities Alliance Webinar on High-Level Radioactive Waste February 24, 2021



## **DOE Reprocessing Waste Locations**



Site		Inventory		Key Facilities
Hanford	•	56 million gallons of tank waste	•	177 Tanks Waste Treatment and Immobilization Plant Integrated Disposal Facility (low-activity waste)
INL	•	900,000 gallons of sodium-bearing waste 4,4000 cubic meters of calcine	•	Integrated Waste Treatment Unit Bin sets 1-6 (calcine storage)
SRS	•	~4,190 glass canisters in storage ~4,000 projected glass canisters	•	Glass Waste Storage Buildings Defense Waste Processing Facility Salt Waste Processing Facility
WVDP	•	278 glass canisters	•	Dry Cask Storage Area

# ENVIRONMENTAL Operating DOE & Commercial Disposal Facilities



TOE Disposal Facility Commercial Disposal Facility

CERCLA - Comprehensive Environmental Response, Compensation and Liability Act; RCRA - Resource Conservation and Recovery Act

### **Recent Site Accomplishments**

#### Hanford

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Construction completed at Low-Activity Waste Facility (vitrification)



Hot Commissioning of Salt Waste Processing Facility **SRS** 

- INL



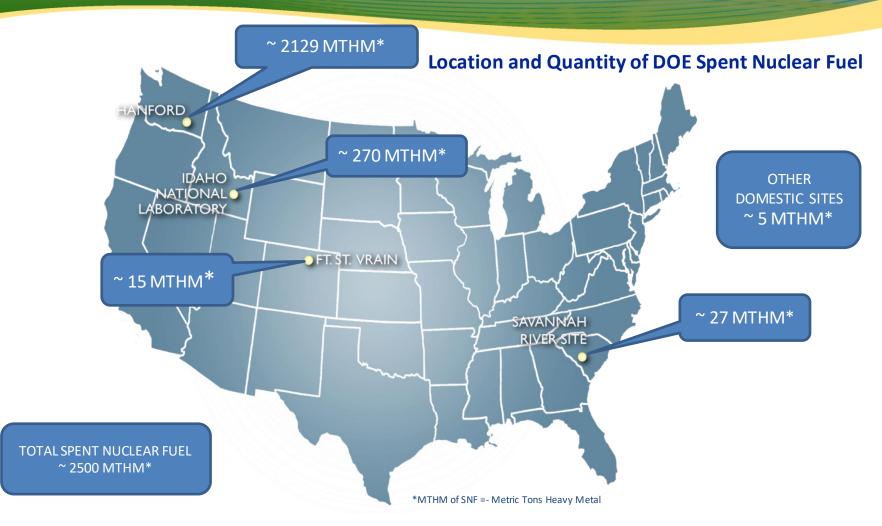
Progress toward start-up of Integrated Waste Treatment Facility



**Calcine retrieval demonstration** 

#### **Spent Nuclear Fuel**

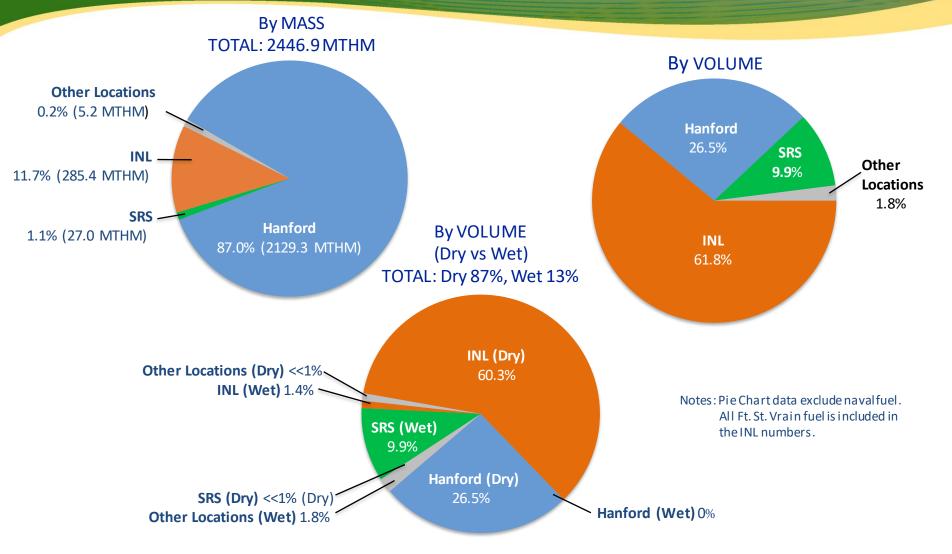




SNF is safely stored at four DOE sites. Minor amounts are stored at other locations, such as university research reactors.

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#### **Current SNF by Location**



Most SNF by mass is stored at Hanford, by volume at INL, and the majority is in dry storage.





- Protection of the surrounding communities and the environment are paramount to the Department of Energy's Office of Environmental Management (EM).
- EM will work with the new Administration and the local communities on the path forward for these reprocessing wastes and DOE SNF.
- EM will continue to execute timely decisions and innovative solutions for reprocessing waste and SNF until a disposal facility is available.